

18 – 24 February 2021

Fall armyworm

icipe has launched mass releases of indigenous natural enemies of Fall armyworm in Kenya to combat the pest whose recent invasion has led to yield losses of 8 – 20 million tonnes of maize on the continent.



Telenomus remus

Trichogramma chilonis

Cotesia icipe

<https://www.farmersreviewafrica.com/icipe-launches-mass-release-of-indigenous-natural-enemies-to-control-fall-armyworm/>

<https://www.kbc.co.ke/icipe-researchers-make-breakthrough-in-fall-armyworm-control/>

<http://www.algeriatimes.info/story-z2495014>

<https://www.foodbusinessafrica.com/kenyan-startup-the-bug-picture-transforms-desert-locust-into-animal-feed-organic-fertilizer/>

<https://iapps2010.me/2021/02/20/icipe-releases-natural-enemies-to-control-fall-armyworm/>

Fruit flies

Scientists at icipe have developed an Integrated Pest Management package combining different strategies and practices to grow healthy crops, minimising the use of pesticides in farms affected by fruit flies.

<https://allafrica.com/stories/202102240031.html>

<https://sanojos.com/2021/02/24/natural-enemies-how-mango-farmers-are-tackling-an-invasive-fruit-fly-pest/>

<https://unitedversus.com/natural-enemies-how-mango-farmers-are-tackling-an-invasive-fruit-fly-pest/>

RSIF

The study conducted by icipe researchers, who found that women take longer to finish their PhDs and publish less, continues to be cited.

<https://www.universityworldnews.com/post.php?story=20210218055052294>

Malaria research

icipe's expertise was crucial to the development of a recently launched app that simulates malaria transmissions and interventions in different communities to understand what will work locally.

<http://www.allusanewshub.com/2021/02/17/this-startup-is-using-ai-to-eradicate-malaria/>

<https://tripurateer.com/this-startup-is-using-ai-to-eradicate-malaria/>

Spanish

<https://nuevoperiodico.com/esta-startup-esta-utilizando-ia-para-erradicar-la-malaria/>

Indonesian

<https://www.liputan6.com/tekn/read/4486016/aplikasi-ini-manfaatkan-kecerdasan-buatan-untuk-deteksi-zona-malaria>

French

<https://www.nouvelles-du-monde.com/cette-startup-utilise-lia-pour-eradiquer-le-paludisme/>

Social media

Inter Press Service
@ipsnews

Scientists @icipe developed an Integrated Pest Management package: the environment-friendly methods, which include use of natural enemies of crop pests & bio-pesticides, discourage the development of pest populations by encouraging natural pest controls
ipsnews.net/2021/02/natura...



10:08 AM · Feb 24, 2021 · TweetDeck

Faith samoei Retweeted

Biovision Foundation
@FutureForAll

@icipe - partner of @FutureForAll - makes a breakthrough in fall armyworm control by mass releasing indigenous natural enemies!

Learn more: kwaela.co.ke/icipe-research...

#AgroecologyWorks #IPM #agroecology #Kenya



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Rishikesh Bahadur D Retweeted

Inter Press Service
@ipsnews

Farmers in #Zimbabwe are using an environment-friendly method, the Integrated Pest Management, developed by @icipe, to control the invasive fruit fly Bactrocera dorsalis - Half of the mango production is lost as a result of this pest every year ipsnews.net/2021/02/natura...



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Nutrition Connect Retweeted

SIANI Agriculture
@SIANIAGri

The quality of the food we eat is just as important as its quantity. Good nutrition is essential for the eradication of hidden hunger. But what foods are nutrient-rich? Learn with: bit.ly/2logWjB cc @InclBusiness @Biolnnovate @NutritionConnex #Nutrition #ZeroHunger



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Elisa Retweeted

PASET Regional Scholarship & Innovation Fund- RSIF
@PasetRsif

"Women take longer to finish their PhD studies, publish less," shows a study by @icipe researchers
Read more on bit.ly/3k2PIOq
#RSIF #RSIF_PASET #PASET #ScienceInAfrica #Science #Scholarships #Research #Technology #Engineering #STEM #ThursdayThoughts @WBG_Education



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MAAIF Retweeted

UPSCALE
@upscale_h2020

The first UPSCALE MAC meeting is closed! We thank @narouganda for the organization, @Maseno_Uni and @icipe partners for support but most importantly to all the participants, and in particular, Stephen Maguma of @MAAIF_Uganda, @AdelineMuheebwa, and our farmer host John Ssebuliba 🌱



5:43 PM · Feb 19, 2021 · Twitter Web App



Serenje Radio 89.5 FM

21 February at 16:43 · 🌐

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STUDY UNLEASHES SAFER OPTIONS FOR FALL ARMY WORM CONTROL IN AFRICA

Scientists have updated the first major study of potential biological controls that could be used in the fight against the devastating fall armyworm in Africa.

The research offers new insights into evidence of their efficacy in the field and increased availability as commercial products. The review, published in the *Journal of Applied Entomology*, includes many biocontrol products which are now featured in the CABI BioProtection Portal – a portal that enables users to discover information about registered biocontrol and biopesticide products around the world.

The fall armyworm (*Spodoptera frugiperda*) attacks around 100 species of plant but favours maize. It has already caused substantial damage to staple crops grown by smallholder farmers in many parts of Africa.

Lead researcher Dr Melanie Bateman, together with other CABI colleagues and scientists from the International Centre of Insect Physiology and Ecology (ICIPE) in Nairobi, Kenya, and Lancaster University, UK, reveal the revised list of biopesticide active ingredients (AI) – which have been registered in one or more of the 30 study countries for fall armyworm management – now stands at 41.

The current paper builds on the first assessment (Bateman et al, 2018) by profiling four additional AI. These are *Aspergillus oryzae*, *Autographa californica* multiple nucleopolyhedrovirus (AcMNPV), *Spodoptera littoralis* nucleopolyhedrovirus (SpliNPV) and thyme oil.

Dr Bateman said, "Many smallholder farmers continue to resort to pesticides to tackle the fall armyworm but we believe that safe, sustainable and effective interventions such as biopesticides should be a key element of Integrated Pest Management plans. "This is particularly important when you consider that many farmers are using highly hazardous pesticides without personal protective equipment and the use of broad-spectrum pesticides can negatively impact natural enemies to help manage fall armyworm."

~ZNFU